

KENWOOD

SB-934

SERVICE BULLETIN AMATEUR RADIO

SUBJECT	DATE
TM-221A FINAL MODULE HINTS	4/11/88

When the Final module is replaced in a TM-221A, there is a possibility that the transmit power will not go higher than 47 watts, even with the APC turned off. This is due to variances in input impedance of Final modules. To correct this condition, an 8pF capacitor can be added between the input of the module and ground. With some modules, a value between 8pF and 15pF will be required. Try to choose a value as close to 8pF as possible to prevent oscillation. The capacitor should be designated as C19 on the Final unit (X45-1360-02).

REQUIRED PART:

8Pf CERAMIC CAPACITOR PART # CC45CH1H080D

ALIGNMENT:

1. Turn the APC off (TX-RX unit VR-6: clockwise).
2. Adjust TC3 and TC4 (TX-RX unit) for maximum power supply current. Since the APC is off, the Final will produce very high power output. It is important to perform this step as quickly as possible.
3. Adjust the APC for 45 watts.

This modification may be covered under warranty.
Time required for this modification is 0.25 hrs or less. (C) 42888TKC

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